## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### Listing of Claims:

1. (Currently Amended) A compound according to formula (I):

wherein:

A is C(O) or CH(OH); R1 is

R2 is H, C1\_6alkyl, C3\_6cycloalkyl-C0\_6alkyl, Ar-C0\_6alkyl, Het-C0\_6alkyl, R<sup>5</sup>C(O)-, R<sup>5</sup>C(S)-, R<sup>5</sup>SO<sub>2</sub>-, R<sup>5</sup>OC(O)-, R<sup>5</sup>R'NC(O)-, R<sup>5</sup>R'NC(S)-, adamantyl-C(O)-, or

$$R^7 \nearrow \stackrel{R}{N} \nearrow Z \searrow$$

R" is H, C1\_6alkyl, Ar-C0\_6alkyl, or Het-C0\_6alkyl;

R" is H, C1-6alkyl, C3-6cycloalkyl-C0-6alkyl, Ar-C0-6alkyl, or Het-C0-6alkyl; wherein:

each R3 defined above independently is H, C2-6alkenyl, C2-6alkynyl, Het, Ar or C1-6alkyl optionally substituted by OR', SR', NR'2, R'NC(O)OR5, CO2R', CO2NR'2, N(C=NH)NH2, Het or Ar;

each R4 defined above is H, C1-6alkyl, C3-6cycloalkyl-C0-6alkyl, Ar-C0-6alkyl, Het-C0-6alkyl, R5C(O)-, R5C(S)-, R5SO2-, R5OC(O)-, R5R'NC(O)-, R<sup>5</sup>R'NC(S)-, R'HNCH(R')C(O)-, or R<sup>5</sup>OC(O)NR'CH(R')C(O)-;

each-R<sup>5</sup> defined above independently is C<sub>3-6</sub>cycloalkyl-C<sub>0-6</sub>alkyl, Ar-C<sub>0-6</sub>alkyl, Het-C<sub>0-6</sub>alkyl, Ar-C<sub>0-6</sub>alkoxy, Het-C<sub>0-6</sub>alkoxy, or C<sub>1-6</sub>alkyl;

wherein  $R^5$  is substituted by one or two substituents selected from the group consisting of Cl, Br, F, CF<sub>3</sub>, C<sub>1-4</sub>alkyl, OH, C<sub>1-4</sub>alkoxy, CN, CONH<sub>2</sub>, NH<sub>2</sub>, or NO<sub>2</sub>, or substituted by methylenedioxy, or

each  $R^6$  defined above is H,  $C_{1-6}$ alkyl, Ar- $C_{0-6}$ alkyl, or Het- $C_{0-6}$ alkyl; and each  $R^7$  defined above is H,  $C_{1-6}$ alkyl,  $C_{3-6}$ eycloalkyl- $C_{0-6}$ alkyl, Ar- $C_{0-6}$ alkyl, R<sup>5</sup>C(O)-, R<sup>5</sup>C(S)-, R<sup>5</sup>SO2-, R<sup>5</sup>OC(O)-, R<sup>5</sup>R'NC(O)-, R<sup>5</sup>R'NC(O)-, or R<sup>5</sup>C(O)NR'CH(R')C(O)-; or

 $R^6$  and  $R^7$  defined above are connected to form a pyrrolidine, a piperidine, or a morpholine ring;

each R' defined above for R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>6</sup>, and R<sup>7</sup> and herein-below independently is H, C<sub>1-6</sub>alkyl, Ar-C<sub>0</sub>-6alkyl, or Het-C<sub>0</sub>-6alkyl; or phenyl or naphthyl substituted by one to three moieties selected from C<sub>1-4</sub>alkyl, OR', N(R')<sub>2</sub>, SR', CF<sub>3</sub>, NO<sub>2</sub>, CN, CO<sub>2</sub>R', CON(R'), F, Cl, Br and I, or substituted by a methylenedioxy group;

# wherein R' defined for moieties OR', $N(R')_2$ , SR', $CO_2R'$ , CON(R') as substituted on phenyl or naphthyl is selected from H or $C_{1-6}$ alkyl;

 $R\ast$  defined above is H,  $C_{1\text{--}6}$  alkyl,  $C_{3\text{--}6}$  cycloalkyl- $C_{0\text{--}6}$  alkyl, Ar- $C_{0\text{--}6}$  alkyl, or Het- $C_{0\text{--}6}$  alkyl;

Y is a single bond or O; each Z independently is CO or CH2; and

n is 0, 1, or 2;

wherein each Ar defined above is independently unsubstituted phenyl or naphthyl; or phenyl or naphthyl substituted by one or more of Ph-C<sub>0-6</sub>alkyl, Het-C<sub>0-6</sub>alkyl, C<sub>1-6</sub>alkoxy, Ph-C<sub>0-6</sub>alkoxy, Het-C<sub>0-6</sub>alkoxy, OH, (CH<sub>2</sub>)<sub>1-6</sub>NR'R', O(CH<sub>2</sub>)<sub>1-6</sub>NR'R'.

wherein each R' as defined in Ar independently is H, C<sub>1-6</sub>alkyl, Ar-C<sub>0-6</sub>alkyl, or Het-C<sub>0-6</sub>alkyl, or phenyl or naphthyl substituted by one to three moieties selected from C<sub>1-4</sub>alkyl, OR', N(R')<sub>2</sub>, SR', CF<sub>3</sub>, NO<sub>2</sub>, CN, CO<sub>2</sub>R', CON(R'), F, Cl, Br and I, or substituted by a methylenedioxy group:

wherein R' as defined for moieties OR', N(R')<sub>2</sub>, SR', CO<sub>2</sub>R', CON(R') as substituted on phenyl or naphthyl is selected from H or C<sub>1-6</sub>alkyl;

wherein each Het defined above is independently a stable 5- to 7-membered monocyclic or a stable 7- to 10-membered bicyclic heterocyclic ring, which is saturated or unsaturated, and which consists of carbon atoms and from one to four heteroatoms selected from the group consisting of N. O and S:

wherein the nitrogen and sulfur heteroatoms are optionally oxidized, and the nitrogen heteroatom is optionally quaternized;

wherein the bicyclic group of the bicyclic heterocyclic ring is fused to a benzene ring, and which optionally is substituted with one or two moieties selected from C<sub>1</sub>-4alkyl, OR', N(R')<sub>2</sub>, SR', CF<sub>3</sub>, NO<sub>2</sub>, CN, CO<sub>2</sub>R', CON(R'), F. Cl. Br and I: and

wherein each R' as defined in the bicvelic group in Het independently is H, C<sub>1</sub>-6alkyl, Ar-C<sub>0</sub>-6alkyl, or Het-C<sub>0</sub>-6alkyl; or phenyl or naphthyl substituted by one to three moieties selected from C<sub>1</sub>-4alkyl, OR', N(R')<sub>2</sub>, SR', CF<sub>3</sub>, NO<sub>2</sub>, CN, CO<sub>2</sub>R', CON(R'), F, Cl, Br and I, or substituted by a methylenedioxy group; wherein R' as defined for above moieties OR', N(R')<sub>2</sub>, SR', CO<sub>2</sub>R', CON(R') as substituted on phenyl or naphthyl is selected from H or C<sub>1</sub>-6alkyl;

or a pharmaceutically acceptable salt thereof.

2 (Previously Presented). A compound according to claim 1, wherein  $\mathsf{R}^1$  is

- 3 (Previously Presented). A compound according to claim 2, wherein  $R^4$  is  $R^5C(O)$ -,  $R^5SO_7$ -, or  $R^5OC(O)$ -.
- 4 (Previously Presented). A compound according to claim 3, wherein  $\mathbb{R}^5$  in the  $\mathbb{R}^4$  group is Ar-C $_{0.6}$ alkyl or Het-C $_{0.6}$ alkyl.
- 5 (Previously Presented). A compound according to claim 4, wherein the  $Ar-C_{0-6} alkyl \ of \ the \ R^4 \ group \ is \ phenyl \ or \ benzyl, \ unsubstituted \ or \ substituted \ by \ one \ or \ two \ substituents \ selected from \ the \ group \ consisting \ of \ Cl, \ Br, \ F, \ CF_3, \ C_{1-4} alkyl, \ OH, \ C_{1-4} alkoxy, \ CN, \ CONH_2, \ NH_2, \ or \ NO_2, \ methylenedioxy;$

and H

6 (Original). A compound according to claim 2 wherein, in said R  $^{\rm I}$  group, R' is H or CH  $_{\rm 3}$  and R  $^{\rm 3}$  is i-butyl.

7 (Withdrawn). A compound according to claim 1 wherein R<sup>1</sup> is

8 (Withdrawn). A compound according to claim 1 wherein R<sup>2</sup> is

$$R^7 \longrightarrow R^6 \longrightarrow Z \longrightarrow R^3$$

- 9 (Withdrawn). A compound according to claim 8 wherein R<sup>7</sup> is R<sup>5</sup>OC(O)-.
- 10 (Withdrawn). A compound according to claim 9 wherein  $\mathbb{R}^5$  in said  $\mathbb{R}^7$  group is Ar-C<sub>0.6</sub>alkyl or Het-C<sub>0.6</sub>alkyl.
- 11 (Withdrawn). A compound according to claim 10 wherein R<sup>5</sup> in said R<sup>7</sup> group is phenyl or benzyl which are unsubstituted or substituted by one or two of the group consisting of Cl, Br, F, CF<sub>3</sub>, C<sub>1-4</sub>alkyl, OH, C<sub>1-4</sub>alkoxy, CN, CONH<sub>2</sub>, NH<sub>2</sub>, or NO<sub>2</sub>, or substituted by methylenedioxy; or 2-, 3-, or 4-pyridyl-CH<sub>2</sub>-.

# Claim 12 (Cancelled).

13 (Withdrawn). A compound according to claim 8 wherein, in said  $R^2$  group,  $R^6$  is H or CH3 and  $R^3$  is i-butyl.

#### Claim 14 (Cancelled).

- 15 (Original). A compound according to claim 1 wherein A is C(O).
- 16 (Previously Presented). A compound which is:

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(3RS.4RS)-4-[[Nα-(benzyloxycarbonyl)-L-leucinyllamino]-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]amino]pentanoyl]-3-pyrrolidinol;
       4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone;
      4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[4-(phenoxybenzamide)]-3-
pyrrolidinone:
      (3RS,4RS)-4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[4-(biphenylethanoyl)]-
3-pyrrolidinol;
      4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[4-(biphenylethanoyl)]-3-
pyrrolidinone;
      (3RS.4RS)-4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinol;
       4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinone;
      (3RS,4RS)-4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
[[(tert-butoxyoxycarbonyl)]aminomethyl]pentanovll-3-pyrrolidinol:
       4-[[Nα-(benzyloxycarbonyl)-L-leucinyllaminol-1-[(2S)-4-methyl-2-[[(tert-
butoxyoxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinonone;
       4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
(aminomethyl)pentanovll-3-pyrrolidinone:
       4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-tert-butoxycarbonyl-3-
pyrrolidinone:
      4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-3-pyrrolidinone;
      4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(N-tert-
butoxycarbonyl)ethanoyl]aminomethyl]pentanoyl]-3-pyrrolidinone;
       4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
[(ethanoyl)aminomethyl]pentanoyl]-3-pyrrolidinone;
      (3RS,4RS)-4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
[[(tert-butoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinol;
      4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(tert-
butoxycarbonyl)]amino]pentanovl]-3-pyrrolidinone;
      (3RS,4RS)-4-[[Na-(benzyloxycarbony)-L-leucinyl]amino]-1-[(2R)-4-methyl-2-
[[(benzyloxycarbonyl)]amino]pentanoyl]-3-pyrrolidinol;
       4-[[Nα-(benzyloxycarbony)-L-leucinyl]amino]-1-[(2R)-4-methyl-2-
[[(benzyloxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone;
      (3RS,4RS)-4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-
[(benzyloxycarbonyl)amino]ethanoyl]-3-pyrrolidinonol;
       4-[[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-[(benzyloxycarbonyl)
aminolethanovIl-3-pyrrolidinonone:
      (3RS,4RS)-4-[[Nα-(benzyloxycarbony)-L-leucinyl]amino]-1-[(2S)-3-tert-butoxy-
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(3RS,4RS)-4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-2-

[[(benzyloxycarbonyl)]amino]propanoyl]-3-pyrrolidinol;

[[(benzyloxycarbonyl)]amino]propanoyl]-3-pyrrolidinol;

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4-[[Nα-(benzyloxycarbony)-L-leucinyl]amino]-1-[(2S)-2-

[[(benzyloxycarbonyl)]amino]propanoyl]-3-pyrrolidinone;

(3RS,4RS)-4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-

[cyclohexanepropanovl]-3-pyrrolidinol;

 $4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[cyclohexanepropanoyl]-3-pyrrolidinone;$ 

(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(4-pyridinylmethoxycarbonyl)lamino]pentanoyl]-3-pyrrolidinol;

4- $[[N^{\alpha}]$ -(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(4-

pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone;

 $(3RS,4RS)-4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(2-pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinol;$ 

 $4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]$ amino]-1-[(2S)-4-methyl-2-[[(2-

pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone;

 $(3RS,4RS)-4-[[N^{9}-(benzyloxycarbonyl)-L-leucinyl]amino]-l-[(2S)-4-methyl-2-[[(3-pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinol;$ 

4-[[N<sup>a</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(3-pyridinylmethoxycarbonyl)]amino]pentanovl]-3-pyrrolidinone:

 $(3RS,4RS)\text{-}4\text{-}[[N^{\alpha}\text{-}(benzyloxycarbonyl)\text{-}L\text{-}leucinyl]} amino]\text{-}1\text{-}(2\text{-}pyridylcarbonyl)\text{-}3\text{-}pyrrolidinol};$ 

 $4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(2-pyridylcarbonyl)-3-pyrrolidinone;$ 

(3RS,4RS)-4-[[N<sup>a</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinol;

4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone;

 $(3RS,4RS)-4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[4-(biphenyl)ethanoyl]-3-piperidinol;$ 

 $\label{eq:continuous} 4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[4-(biphenyl)ethanoyl]-3-piperidinone;$ 

 $(3RS,4RS)-4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-methy$ 

[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-piperidinol;

 $\hbox{$4$-[[N^\alpha$-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-met$ 

[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-piperidinone;

 $\label{eq:continuous} 4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-tert-butoxycarbonyl-3-piperidinone;$ 

(3RS,4RS)-4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-

[[(benzyloxycarbonyl)]iso-butylamino]ethanoyl]-3-piperidinol;

4-[[N $^{\alpha}$ -(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-[[(benzyloxycarbonyl)] iso-butylamino]ethanoyl]-3-piperidinone;

 $(3RS,4RS)-4-[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-[(tert-butoxycarbonyl)amino]ethanovl]-3-piperidinol;$ 

 $\label{eq:continuous} \mbox{4-[[N$^{\alpha}$-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-[(tert-butoxycarbonyl) amino]ethanoyl]-3-piperidinone;$ 

 $\label{eq:continuity} 4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-(amino)ethanoyl]-3-piperidinone;$ 

 $(3RS,4RS)-4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(4-methylpentanoyl)-3-piperidinol;$ 

 $\label{eq:condition} 4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(4-methylpentanoyl)-3-piperidinone;$ 

(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(benzoyl)-3piperidinol:

4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(benzoyl)-3-piperidinone;

 $(3RS,4RS)-4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(acetyl)-3-piperidinol;$ 

4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(acetyl)-3-piperidinone;

(3RS,4RS)-4-[[N<sup>a</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(2-pyridoxyacetyl)-3-piperidinol;

4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(2-pyridoxyacetyl)-3-piperidinone;

(3RS,4RS)-4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-

[(benzyloxycarbonyl)methylamino]ethanoyl]-3-piperidinol;

 $4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-[(benzyloxycarbonyl)methylamino]ethanoyl]-3-piperidinone;$ 

(3RS,4RS)-4-[[Nα-(benzyloxycarbony)-L-leucinyl]amino]-1-

[3-(2-pyridyl)phenylacetyl)]-3-piperidinol;

 $4-[[N^{\alpha}-(benzyloxycarbony)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl)]-3-piperidinone;$ 

(3RS,4RS)-4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-

[(benzy loxy carbony l) methy lamino] ethanoy l] -3-pyrrolidinol;

 $4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-[(benzyloxycarbonyl) methylamino]ethanoyl]-3-pyrrolidinone;$ 

 $(3RS,4RS)-4-[[N^\alpha-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-(phenoxy)ethanoyl]-3-pyrrolidinol;$ 

 $\label{eq:continuous} 4\text{-}[[N^{\alpha}\text{-}(benzyloxycarbonyl)\text{-}L\text{-}leucinyl]amino]\text{-}1\text{-}[2\text{-}(phenoxy)\text{ethanoyl}]\text{-}3\text{-}pyrrolidinone:}$ 

(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-[(2-phenyl)ethanoyll-3-pyrrolidinol;

 $\label{eq:continuity} 4-[[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-[(2-phenyl)\ ethanoyl]-3-pyrrolidinone;$ 

(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbony)-L-leucinyl]amino]-1-ethanoyl-3pyrrolidinol:

4-[[Nα-(4-pyridinylmethoxycarbony)-L-leucinyl]amino]-1-ethanoyl-3-pyrrolidinone;

(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-(4-cvanobenzovl)-3-pyrrolidinol:

 $\label{eq:local_local} 4-[[N^\alpha\_(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-(4-cyanobenzoyl)-3-pyrrolidinone:$ 

 $(3RS,4RS)-4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-tert-butoxycarbonyl-3-pyrrolidinol;$ 

 $4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-tert-butoxycarbonyl-3-pyrrolidinone;$ 

(3RS,4RS)-4-[[N<sup>α</sup>-3-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1tert-butoxycarbonyl-3-pyrrolidinol:

 $\label{eq:condition} 4-[[N^{\alpha}-(3-pyridinylmethoxycarbonyl]-L-leucinyl]amino]-1-tert-butoxycarbonyl-3-pyrrolidinone;$ 

4-[[Nα-(3-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-3-pyrrolidinone;

4-[[Nα-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-3-pyrrolidinone;

 $(3RS,4RS)-4-[IN^{\alpha}-(2-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinone;$ 

4-[[Nαidinylmethoxycarbonyl]-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinone;

 $(3RS,4RS)-4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(4-pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinol;$ 

4-[[N<sup>a</sup>-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(4-pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone;

(3RS,4RS)-4-[[N<sup>a</sup>-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinol;

 $4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinone;$ 

(3RS,4RS)-4-[[N<sup>a</sup>-(3-isoquinolinecarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;

 $4\hbox{-}[[N^\alpha\hbox{-}(3\hbox{-}isoquinoline carbonyl)\hbox{-}L\hbox{-}leucinyl] amino]\hbox{-}1\hbox{-}[(2S)\hbox{-}4\hbox{-}methyl\hbox{-}2\hbox{-}leucinyl]}$ 

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

 $(3RS,4RS)-4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl] amino]-l-[1-(adamantyl)carbonyl]-3-pyrrolidinol;$ 

 $\label{eq:continuity} 4-[[N^\alpha-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-[1-(adamantyl)carbonyl]-3-pyrrolidinone;$ 

 $(3RS,4RS)-4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(4-methyl-pentanoyl)-3-pyrrolidinol;$ 

 $4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(4-methyl-pentanoyl)-3-pyrrolidinone;$ 

(3RS,4RS)-4-[[N<sup>a</sup>-(benzyloxycarbonyl)-D-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinol;

4-[[Nα-(benzyloxycarbonyl)-D-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone;

(3RS,4RS)-4-[[Nα-(tert-butoxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinol;

 $4\hbox{-}[[N^\alpha\hbox{-}(tert\hbox{-}butoxycarbonyl)\hbox{-}L\hbox{-}leucinyl]amino]\hbox{-}1\hbox{-}[(2S)\hbox{-}4\hbox{-}methyl\hbox{-}2\hbox{-}$ 

[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone;

(3RS,4RS)-4-[[Nα-(benzyloxycarbonyl)-Nε-(tert-butoxycarbonyl)-L-lysine]amino]-1-

[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinol;

4-[[Nα-(benzyloxycarbonyl)-Nε-(tert-butoxycarbonyl)-L-lysine]amino]-1-

 $[(2S)\hbox{-}4-methyl\hbox{-}2-[[(benzyloxycarbonyl)]amino]pentanoyl]\hbox{-}3-piperidinone;$ 

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(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1tert-butoxycarbonyl-3-piperidinol:

 $4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-tert-butoxycarbonyl-3-piperidinone;$ 

(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-(4-methylpentanoyl)-3-piperidinol:

 $4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-(4-methylpentanoyl)-3-piperidinone:$ 

(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-[2-(benzyloxycarbonyl)]iso-butylamino]ethanoyl]-3-piperidinol;

4-[[Nα-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-[2-

(benzyloxycarbonyl)liso-butylaminolethanoyll-3-piperidinone:

(3RS,4RS)-4-[[N-2-(benzyloxycarbonyl)]iso-butylamino]ethanoyl]-1-

[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinol;

4-[[N-2-(benzyloxycarbonyl)]iso-butylamino]ethanoyl]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone; (3RS.4RS)-4-[[N\*-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(methanesulphonyl)-3-

(3KS,4KS)-4-[[N -(benzyloxycarbonyl)-L-leucinyl]amino]-1-(metnanesulphonyl)-3piperidinol;

4-[[N $^{\alpha}$ -(benzyloxycarbonyl)-L-leucinyl]amino]-1-(methanesulphonyl)-3-piperidinone;

(3RS,4RS)-4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(phenylsulphonyl)-3piperidinol;

4-[N<sup>a</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(phenylsulphonyl)-3-piperidinone; (3RS,4RS)-4-[N<sup>a</sup>-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-(8-

quinolinesulphonyl)-3-pyrrolidinol;

 $\label{eq:continuity} 4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-(8-quinolinesulphonyl)-3-pyrrolidinone;$ 

(2-pyridylsulphonyl)-3-pyrrolidinone;

4-[[N<sup>a</sup>-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-(2-pyridylsulphonyl)-3pyrrolidinone;

(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-[(2-propoxy)carbonyl]-3-pyrrolidinol;

4- $[N^{\alpha}$ -(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-

[(2-propoxy)carbonyl]-3-pyrrolidinone;

(3RS,4RS)-4-[[N<sup> $\alpha$ </sup>-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-[(3-methy-1-propoxy)carbonyl]-3-pyrrolidinol;

 $4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-[(3-methyl-1-propoxy)carbonyl]-3-pyrrolidinone;$ 

(3RS,4RS)-4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-

[(4-phenoxy)phenylsulphonyl]-3-pyrrolidinol;

 $\label{eq:continuity} 4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(4-phenoxy)phenyl sulphonyl]-3-pyrrolidinone;$ 

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(3RS,4RS)-4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(4-phenoxy) phenylsulphonyl]-3-piperidinol;

4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(4-phenoxy)phenyl sulphonyl]-3piperidinone:

 $(3RS,4RS)-4-[[N^{\alpha}-(3,4-dichlorobenzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-met$ [[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol:

4-[[Nα-(3,4-dichlorobenzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

(3RS,4RS)-4-[[Nα-(6-quinolinecarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;

4-[[Nα-(6-quinolinecarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone:

(3RS,4RS)-4-[(2-dibenzofuransulphonyl)amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentanoyl]-3-pyrrolidinol;

4-[(2-dibenzofuransulphonyl)amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone;

(3RS,4RS)-4-[(2-dibenzofuransulphonyl)amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]methylamino]pentanoyl]-3-pyrrolidinol;

4-[(2-dibenzofuransulphonyl)amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]methylamino]pentanoyl]-3-pyrrolidinone; (3RS.4RS)-4-[ΓNα-(benzyloxycarbonyl)-L-leucinyllaminol-1-(4-methylpentyl)-3piperidinol;

4-[[N<sup>a</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinone; (3RS,4RS)-4-[[Nα-(2-pyridylcarbonyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3piperidinol;

4-[[Nα-(2-pyridylcarbonyl)-L-leucinyllaminol-1-(4-methylpentyl)-3-piperidinone: (3RS,4RS)-4-[[Nα-(3-chlorobenzovl)-L-leucinvl]amino]-1-(4-methylpentyl)-3piperidinol;

4-[[Nα-(3-chlorobenzoyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinone;  $(3RS,4RS)-4-[[N^{\alpha}-(2-quinolinecarbonyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3$ piperidinol;

4-[[Nα-(2-quinolinecarbonyl)-L-leucinyl]aminol-1-(4-methylpentyl)-3-piperidinone;  $(3RS,4RS)-4-[[N^{\alpha}-(3,4-dichlorobenzoyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3$ piperidinol;

4-[[Nα-(3.4-dichlorobenzov])-L-leucinvllamino]-1-(4-methylpentyl)-3-piperidinone: (3RS,4RS)-4-[[Nα-(8-quinolinecarconyl)-L-leucinyllamino]-1-(4-methylpentyl)-3piperidinol;

4-[[Nα-(8-quinolinecarbonyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinone  $(3RS,4RS)-4-[N^{\alpha}-(3-isoquinolinecarbonyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3$ piperidinol:

4-[[Nα-(3-isoquinolinecarbonyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3piperidinone;

(3RS,4RS)-4-[[Nα-(2-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinol:

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 $4-[[N^{\alpha}-(2-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinone;$ 

 $(3RS,4RS)-4-[[N^{\alpha}-(acetyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinol;$ 

4-[[Nα-(acetyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinone;

 $(3RS,4RS)-4-[[N^{\alpha}-(p-trifluoromethylbenzenesulphonyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinol:$ 

4-[[N<sup> $\alpha$ </sup>-(p-trifluoromethylbenzenesulphonyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinone:

(3RS,4RS)-4- $[[N^{\alpha}$ -(6-quinolinecarbonyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinol:

dinol;  $4-\lceil\lceil N^{\alpha}$ -(6-quinolinecarbonyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinone;

(3RS,4RS)-4-[[2-(RS)-(3-biphenyl)-4-methyl]amino]pentanoyl]-1-(4-methylpentyl)-3-piperidinol;

 $\label{eq:continuous} \mbox{4-[[2-(RS)-[(3-biphenyl)-4-methyl]amino]pentanoyl]-1-(4-methylpentyl)-3-piperidinone;}$ 

(3RS,4RS)-4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-

[(benzyloxycarbonyl)methylamino]ethyl]-3-piperidinol;

4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-

[2-[(benzyloxycarbonyl)methylamino]ethyl]-3-piperidinone;

(3RS,4RS)-4-[[Nα-(a-toluenesulphonyl)-L-leucinyl]amino]-1-

[3-(2-pyridyl)phenylacetyl)]-3-piperidinol;

 $4-[[N^{\alpha}-(a-toluenesulphonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl) phenylacetyl)]-3-piperidinone;$ 

(3RS,4RS)-4-[[Nα-(2-naphthylcarbonyl)-L-leucinyl]amino]-1-

[3-(2-pyridyl)phenylacetyl)]-3-piperidinone;

 $4-[[N^{\alpha}-(2-naphthylcarbonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl) phenylacetyl)]-3-piperidinone:$ 

 $(3RS,4RS)\text{-}4\text{-}[[N^{\alpha}\text{-}(benzensulphonyl)\text{-}L\text{-}leucinyl]amino}]\text{-}1\text{-}$ 

 $[3\hbox{-}(2\hbox{-pyridyl})phenylacetyl)]\hbox{-} 3\hbox{-piperidinol};$ 

 $4-[[N^{\alpha}-(benzensulphonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl)]-3-piperidinone;$ 

 $(3RS,4RS)\text{-}4\text{-}[[N^{\alpha}\text{-}(3\text{-}isoquinolinecarbonyl})\text{-}L\text{-}leucinyl]amino]\text{-}1\text{-}$ 

 $[3\hbox{-}(2\hbox{-pyridyl})phenylacetyl)]\hbox{-} 3\hbox{-piperidinol};$ 

 $4-[[N^{\alpha}-(3-isoquinolinecarbonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl) phenylacetyl)]-3-piperidinone;$ 

(3RS,4RS)-4-[3-[(2-pyridyl)phenylacetyl)]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinol; 4-[3-[(2-pyridyl)phenylacetyl)]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone;

(3RS,4RS)-4-[3-[(2-pyridyl)phenylacetyl)]amino]-1-[(2S)-4-methyl-2-[[(2-pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-piperidinol:

4-[3-[(2-pyridyl)phenylacetyl)]amino]-1-[(2S)-4-methyl-2-[[2-

(pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-piperidinone;

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            (3RS,4RS)-4-[[Nα-(2-phenylacetyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;
            4-[[Nα-(2-phenylacetyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;
            4-[[Nα-(tert-butoxyoxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;
            4-[(L-leucinyl)amino]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)] amino]pentyl]-3-
pyrrolidinone:
           (3RS,4RS)-4-[[Nα-(2-quinolinecarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;
            4-[[Nα-(2-quinolinecarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone:
           (3RS,4RS)-4-[[Nα-(piperonylcarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;
            4-[[Nα-(piperonylcarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;
           (3RS,4RS)-4-[[Nα-(4-fluorobenzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;
            4-[[Nα-(4-fluorobenzovl)-L-leucinvl]amino]-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;
           (3RS,4RS)-4-[[N^{\alpha}-(2-pyridylcarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methyl-2-methy
[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;
            4-[[Nα-(2-pyridylcarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;
           (3RS,4RS)-4-[[Nα-(2-nitro-a-toluenesulphonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-
2-[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;
            4-[[Nα-(2-nitro-a-toluenesulphonyl)-L-leucinyllamino]-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;
           (3RS,4RS)-4-[[Nα-(8-quinolinesulphonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;
            4-[[Nα-(8-quinolinesulphonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;
           (3RS,4RS)-4-[[Nα-(2-naphthylcarbonyl)-L-leucinyl]aminomethyl]-1-
[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;
            4-[[Nα-(2-naphthylcarbonyl)-L-leucinyl]aminomethyl]-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;
           (3RS,4RS)-4-[[N^{\alpha}-(2-quinolinylcarbonyl)-L-leucinyl]aminomethyl]-1-
[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;
           4-[[Nα-(2-quinolinylcarbonyl)-L-leucinyl]aminomethyl]-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;
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(3RS,4RS)-4-[[Nα-(phenylacetyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

4-[[Nα-(phenylacetyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinol;

[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;

 $(3RS,4RS)-4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinol;$ 

 $4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone:$ 

(3RS,4RS)-4-[[N"-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-[(2R)-4-methyl-2-[[(benzyloxycarbonyl)lamino]pentyl]-3-piperidinol:

4-[[ $N^{\alpha}$ -(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-[(2R)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;

 $(3RS,4RS)-4-[[N^{\alpha}-(phenylacetyl)-L-leucinyl]amino]-1-[(2R)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinol;$ 

4-[[Nα-(phenylacetyl)-L-leucinyl]amino]-1-[(2R)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;

 $(3RS,4RS)-4-[[N^{\alpha}-(4-imidazoleacetyl)-L-leucinyl]amino]-1-[(2R)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinol;$ 

4-[[Nα-(4-imidazoleacetyl)-L-leucinyl]amino]-1-[(2R)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;

(3RS,4RS)-4-[[N<sup>a</sup>-(4-imidazoleacetyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinol;

 $4-[[N^{\alpha}-(4-imidazoleacetyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-$ 

[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;

 $(3RS,4RS)-4-[[N^{\alpha}-(4-pyridinylcarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinol;$ 

4-[[Nα-(4-pyridinylcarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;

 $4-[[N^{\alpha}-(tert-butoxycarbonyl)-L-leucinyl]amino]-1-(benzyloxycarbonyl)-3-piperidinone;$ 

 $(3RS,4RS)-4-[[N^{\alpha}-(8-quinolinesulphonyl)-L-leucinyl]amino]-1-(benzyloxycarbonyl)-3-piperidinol;$ 

 $\label{eq:condition} 4-[[N^{\alpha}-(8-quinoline sulphonyl)-L-leucinyl]amino]-1-(benzyloxycarbonyl)-3-piperidinone:$ 

 $(3RS,4RS)-4-[[N^{\alpha}-(4-pyridinylacetyl)-L-leucinyl]amino]-1-(benzyloxycarbonyl)-3-piperidinol;$ 

4-[[Nα-(4-pyridinylacetyl)-L-leucinyl]amino]-1-(benzyloxycarbonyl)-3-piperidinone;

 $(3RS,4RS)-4-[[N^{\alpha}-(4-imidazoleacetyl)-L-leucinyl] amino]-1-(benzyloxycarbonyl)-3-piperidinol;$ 

4-[[N<sup>α</sup>-(4-imidazoleacetyl)-L-leucinyl]amino]-1-(benzyloxycarbonyl)-3-piperidinone; (3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylcarbonyl)-L-leucinyl]amino]-1-

(benzyloxycarbonyl)-3-piperidinol;

 $4-[[N^{\alpha}-(4-pyridinylcarbonyl)-L-leucinyl]amino]-1-(benzyloxycarbonyl)-3-piperidinone:$ 

(3RS,4RS)-1-benzyl-4- $[N^{\alpha}$ -(3-isoquinolinylcarbonyl)-L-leucinyl]amino]-3pyrrolidinol;

1-benzyl-4-[[ $N^{\alpha}$ -(3-isoquinolinylcarbonyl)-L-leucinyl]amino]-3-pyrrolidinone; (3RS,4RS)-1-benzyl-4-[[ $N^{\alpha}$ -(3,4-dichlorobenzoyl)-L-leucinyl]amino]-3-pyrrolidinol;

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1-benzyl-4-[[N<sup>a</sup>-(3,4-dichloroben
(3RS,4RS)-1-benzyl-4-[[N<sup>a</sup>-(2-na
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1-benzyl-4-[[N $^{\alpha}$ -(3,4-dichlorobenzoyl)-L-leucinyl]amino]-3-pyrrolidinone; (3RS,4RS)-1-benzyl-4-[[N $^{\alpha}$ -(2-naphthylcarbonyl)-L-leucinyl]aminomethyl]-3-dinol:

1-benzyl-4-[[N"-(2-naphthylcarbonyl)-L-leucinyl]aminomethyl]-3-pyrrolidinone; (3RS,4RS)-1-benzyl-4-[[N"-(2-quinolinylcarbonyl)-L-leucinyl] aminomethyl]-3-pyrrolidinol;

1-benzyl-4-[[N<sup>a</sup>-(2-quinolinylcarbonyl)-L-leucinyl]aminomethyl]-3-pyrrolidinone; (3RS,4RS)-1-benzyl-4-[[N<sup>a</sup>-(2-quinolinylcarbonyl)-L-leucinyl]amino]-3-pyrrolidinol; 1-benzyl-4-[[N<sup>a</sup>-(2-quinolinylcarbonyl)-L-leucinyl]amino]-3-pyrrolidinone; (3RS,4RS)-1-benzyl-4-[[N<sup>a</sup>-(piperonylcarbonyl)-L-leucinyl]amino]-3-pyrrolidinone; (3RS,4RS)-1-benzyl-4-[[N<sup>a</sup>-(piperonylcarbonyl)-L-leucinyl]amino]-3-pyrrolidinone; (3RS,4RS)-1-benzyl-4-[[N<sup>a</sup>-(4-fluorobenzoyl)-L-leucinyl]amino]-3-pyrrolidinol; 1-benzyl-4-[[N<sup>a</sup>-(4-fluorobenzoyl)-L-leucinyl]amino]-3-pyrrolidinol;

 $(3RS,4RS)-1-benzyl-4-[[N^{\alpha}-(6-hydroxy-2-naphthylcarbonyl)-L-leucinyl]\ amino]-3-pyrrolidinol;$ 

1-benzyl-4-[[N<sup>α</sup>-(6-hydroxy-2-naphthylcarbonyl)-L-leucinyl]amino]-3pyrrolidinone;

 $(3RS,4RS)-1-benzyl-4-[[N^{\alpha}-(2-naphthylcarbonyl)-L-leucinyl]amino]-3-pyrrolidinol;\\ 1-benzyl-4-[[N^{\alpha}-(2-naphthylcarbonyl)-L-leucinyl]amino]-3-pyrrolidinole;\\ (3RS,4RS)-1-benzyl-4-[[N^{\alpha}-(6-quinolinylcarbonyl)-L-leucinyl]amino]-3-pyrrolidinole;\\ 1-benzyl-4-[[N^{\alpha}-(6-quinolinylcarbonyl)-L-leucinyl]amino]-3-pyrrolidinole;\\ (3RS,4RS)-1-benzyl-4-[[N^{\alpha}-(4-imidazoleacetyl)-L-leucinyl]amino]-3-pyrrolidinole;\\ 1-benzyl-4-[[N^{\alpha}-(4-imidazoleacetyl)-L-leucinyl]amino]-3-pyrrolidinole;\\ (3RS,4RS)-1-benzyl-4-[[N^{\alpha}-(4-imidazoleacetyl)-L-leucinyl]amino]-3-pyrrolidinole;\\ (3RS,4RS)-1-benzyl-4-[[N^{\alpha}-(4-imidazoleacetyl)-L-leucinyl]amino]-3-pyrrolidinole;\\ 4-[[N^{\alpha}-(4-imidazoleacetyl)-L-leucinyl]amino]-1-benzyl-1-pyrrolidinole;\\ 4-[[N^{\alpha}-(4-imidazoleacetyl)-L-leucinyl]amino]-1-benzyl-1-pyrrolidinole;\\ 4-[[N^{\alpha}-(4-imidazoleacetyl)-L-leucinyl]amino]-1-benzyl-1-pyrrolidinole;\\ 4-[[N^{\alpha}-(4-imidazoleacetyl)-L-leucinyl]amino]-1-pyrrolidinole;\\ 4-[[N^{\alpha}-(4-imidazoleacetyl)-L-leucinyl]amino]-1-pyrrolidinole;\\ 4-[[N^{\alpha}-(4-imidazoleacetyl)-L-leucinyl]amino]-1-pyrrolidinoleacetyl-1-pyrrolidinol$ 

4-[[N -(tert-outoxycarbonyi)-L-teucinyi]amino]-1-benzyioxycarbon pyrrolidinone;

(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxy)carbonyl]-L-leucinyl]amino]-1-[(2R)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;

4- $[N^{\alpha}$ -(4-pyridinylmethoxy)carbonyl]-L-leucinyl]amino]-1-[(2R)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxy)carbonyl]-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(tert-butoxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

4-[[N<sup>a</sup>-(4-pyridinylmethoxy)carbonyl]-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(tert-butoxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

4-[[Nα-(4-pyridinylmethoxy)carbonyl]-L-leucinyl]amino]-1-

[(2S)-4-methyl-2-(amino)pentyl]-3-pyrrolidinone; (3RS,4RS)-4-[[Nα-(2-methylpropoxy)carbonyl]-L-leucinyl]amino]-1-

[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;

4-[[Nα-(2-methylpropoxy)carbonyl]-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

 $(3RS,4RS)-4-[[N^{\alpha}-(methylamino)thiocarbonyl]-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;$ 

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4-[[Nα-(methylamino)thiocarbonyl]-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone; (3RS.4RS)-4-[[Nα-(phenylmethylamino]carbonyl]-L-leucinyllamino]-1-

(3RS,4RS)-4-[[N<sup>-</sup>-(phenylmethylamino)carbonyl]-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;

 $\hbox{4-[[N$^\alpha$-(phenylmethylamino)carbonyl]-L-leucinyl]} amino]-\hbox{1-[(2S)-4-methyl-2-leucinyl]}$ 

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

 $(3RS,4RS)-4-[[N^{\alpha}-(3,4-dichlorophenylamino)carbonyl]-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;$ 

 $4-[[N^{\alpha}-(3,4-\text{dichlorophenylamino})\text{carbonyl}]-L-\text{leucinyl}]$ amino]-1-[(2S)-4-methyl-2-[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

(3RS,4RS)-1-benzyl-4- $[[N^{\alpha}-(3,4-dichlorophenylamino)-L-leucinyl]amino]-3-pyrrolidinol;$ 

 $\label{lem:lem:lem:lem:no} \mbox{$1$-benzyl-$4-[[N^{\alpha}-(3,4-dichlorophenylamino)-$L-leucinyl]amino]-$3-pyrrolidinone;}$ 

 $(3RS,4RS)-4-[[N^{\alpha}-(1,2,3,4-tetrahydro-6-quinolinecarbonyl)-L-leucinyl]amino]-l-[(2S)-4-methyl-2-[(p-toluenesulphonyl)amino]pentyl]-3-pyrrolidinol;$ 

4 [[N]<sup>a</sup> (1.2.3.4 totachydro 6 quinclineaethonyl) I louginyllog

 $4-[[N^{\alpha}-(1,2,3,4-tetrahydro-6-quinolinecarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(p-toluenesulphonyl)amino]pentyl]-3-pyrrolidinone;$ 

 $(3RS,4RS)-4-[[N^{\alpha}-(1,2,3,4-tetrahydro-6-quinolinecarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(acetyl)amino]pentyl]-3-pyrrolidinol;$ 

 $4-[[N^{\alpha}-(1,2,3,4-\text{tetrahydro-6-quinolinecarbonyl})-L-\text{leucinyl}]$ amino]-1-

[(2S)-4-methyl-2-[(acetyl)amino]pentyl]-3-pyrrolidinone;

 $(3RS,4RS)-4-[[N^{\alpha}-(4-fluorobenzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(acetyl)amino]pentyl]-3-pyrrolidinol;$ 

4-[[[Nα-(4-fluorobenzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[(acetyl)amino]pentyl]-3-pyrrolidinone;

 $(3RS,4RS)-4-[[N^{\alpha}-(4-fluorobenzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(p-toluenesulphonyl)amino]pentyl]-3-pyrrolidinol;$ 

4-[[N<sup>a</sup>-(4-fluorobenzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(p-toluenesulphonyl)amino]pentyl]-3-pyrrolidinone;

 $(3RS,4RS)-4-[[N^{\alpha}-(4-fluorobenzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(methanesulphonyl)amino]pentyl]-3-pyrrolidinone;$ 

4-[[Nα-(4-fluorobenzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[(methanesulphonyl)amino]pentyl]-3-pyrrolidinone;

 $(3RS,4RS)-4-[[N^{\alpha}-(4-fluorobenzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(a-toluenesulphonyl)amino]pentyl]-3-pyrrolidinone;$ 

 $4-[[N^{\alpha}-(4-fluorobenzoyl)-L-leucinyl]$ amino]-1-[(2S)-4-methyl-2-[(a-toluenesulphonyl)amino]pentyl]-3-pyrrolidinone;

(3RS,4RS)-1-(2-phenethyl)-4-[[N $^{\alpha}$ -(4-fluorobenzoyl)-L-leucinyl]amino]-3-pyrrolidinol;

1-(2-phenethyl)-4-[[Nα-(4-fluorobenzoyl)-L-leucinyl]amino]-3-pyrrolidinone;

(3RS,4RS)-1-(2-phenethyl)-4-[[ $N^{\alpha}$ -(2-quinolinylcarbonyl)-L-leucinyl] amino]-3-pyrrolidinol;

 $1-(2-phenethyl)-4-[[N^{\alpha}-(2-quinolinylcarbonyl)-L-leucinyl]amino]-3-pyrrolidinone;$ 

 $(3RS,4RS)-1-(2-phenethyl)-4-[[N^{\alpha}-(2-naphthylcarbonyl)-L-leucinyl]amino]-3-pyrrolidinol;$ 

 $1-(2-phenethyl)-4-[[N^{\alpha}-(2-naphthylcarbonyl)-L-leucinyl]amino]-3-pyrrolidinone;$ 

 $(3RS,4RS)\text{-}1\text{-}(2\text{-phenethyl})\text{-}4\text{-}[[N^{\alpha}\text{-}(\alpha\text{-toluenesulphonyl})\text{-}L\text{-leucinyl}]amino]\text{-}3\text{-pyrrolidinol};}$ 

 $1-(2-phenethyl)-4-[[N^{\alpha}-(\alpha-toluenesulphonyl)-L-leucinyl]amino]-3-pyrrolidinone;$ 

(3RS,4RS)-1-(2-phenethyl)-4-[[N $^{\alpha}$ -(2-nitro- $\alpha$ -toluenesulphonyl)-L-leucinyl]amino]-3-pyrrolidinol;

1-(2-phenethyl)-4-[[ $N^{\alpha}$ -(2-nitro- $\alpha$ -toluenesulphonyl)-L-leucinyl]amino]-3-pyrrolidinone;

(3RS,4RS)-4-[[N"-(2-phenylacetyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(4-pvridinylcarbonyl)lamino]pentyll-3-pvrrolidinol:

4-[[N<sup>a</sup>-(2-phenylacetyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(4-pyridinylcarbonyl)]amino]pentyl]-3-pyrrolidinone;

(3RS,4RS)-4-[[N<sup>4</sup>-(2-phenylacetyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(p-toluenesulphonyl)]amino]pentyl]-3-pyrrolidinol;

4-[[N<sup>α</sup>-(2-phenylacetyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(p-toluenesulphonyl)]amino]pentyl]-3-pyrrolidinone:

 $(3RS,4RS)-4-[[N^{\alpha}-(2-phenylacetyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(4-imidazoleacetyl)]amino]pentyl]-3-pyrrolidinol;$ 

 $4-[[N^{\alpha}-(2-phenylacetyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(4-imidazoleacetyl)]amino]pentyl]-3-pyrrolidinone;$ 

(3RS,4RS)-4-[(4-phenoxybenzoyl)amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentanoyl]-3-pyrrolidinolycarbonyl)-L-leucinyl]amino]-3-pyrrolidinol;

 $1-(3-nitrobenzyI)-4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyI)-L-leucinyI] amino]-3-pyrrolidinone; \\$ 

 $(3RS,4RS)-1-(2-nitrobenzyl)-4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyllamino]-3-pyrrolidinol;$ 

1-(2-nitrobenzyl)-4-[[ $N^{\alpha}$ -(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-3-pyrrolidinone;

 $(3RS,4RS)-1-(4-cyanobenzyl)-4-[[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyllamino]-3-pyrrolidino];$ 

 $\label{eq:continuity} 1-(4-cyanobenzyl)-4-[[N^\alpha-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-3-pyrrolidinone;$ 

(3RS,4RS)-1-(4-bromobenzyl)-4- $[[N^{\alpha}-(4$ -pyridinylmethoxycarbonyl)-L-leucinyllamino]-3-pyrrolidino];

 $\label{eq:local_local} 1-(4-bromobenzyl)-4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl]\ amino]-3-pyrrolidinone;$ 

(3RS,4RS)-1-phenethyl-4-[[N $^{\alpha}$ -(4-pyridinylmethoxycarbonyl)-L-leucinyl] amino]-3-pyrrolidinol:

 $\label{eq:local_potential} 1-phenethyl-4-[[N^\alpha-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-3-pyrrolidinone;$ 

1-(3-aminobenzyl)-4-[[ $N^{\alpha}$ -(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-3-pyrrolidinone;

(3RS,4RS)-1-(3-benzyloxybenzyl)-4-[[Nα-(4-pyridinylmethoxycarbonyl)-L-leucinyllamino]-3-pyrrolidinol;

 $\label{eq:continuity} 1-(3-benzyloxybenzyl)-4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl] amino]-3-pyrrolidinone;$ 

 $(3RS,4RS)-1-(3-hydroxybenzyl)-4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyllaminol-3-pyrrolidinol$ 

 $\label{eq:lambda} I-(3-hydroxybenzyl)-4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl] amino]-3-pyrrolidinone;$ 

(3RS,4RS)-1-ethyl-4- $[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-3-pyrrolidinol;$ 

I-ethyl-4-[[N<sup>u-</sup>(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-3-pyrrolidinone; (3RS,4RS)-1-ecyclopropylmethyl-4-[[N<sup>u-</sup>(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-3-pyrrolidinol;

l-cyclopropylmethyl-4- $[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L$ -leucinyl] amino]-3-pyrrolidinone:

 $(3RS,4RS)-1-(2-N,N-dimethylaminoethyl)-4-[[[N^{\alpha}-(4-pyridinylmethoxy carbonyl)-L-leucinyl]amino]-3-pyrrolidinol;$ 

 $1-(2-N,N-dimethylaminoethyl)-4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyllaminol-3-pyrrolidinone:$ 

(3RS,4RS)-1-(2-morpholinoethyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leucinyllamino]-3-pyrrolidinonol;

 $\label{eq:local_local_potential} 1-(2-morpholinoethyl)-4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl] \ amino]-3-pyrrolidinone;$ 

(3RS,4RS)-1-(2-bromobenzyl)-4- $[[N^{\alpha}-(2$ -pyridinylmethoxycarbonyl)-L-leucinyllaminol-3-pyrrolidinonol;

 $\label{eq:condition} 1\mbox{-}(2\mbox{-}loucinyl)\mbox{-}4\mbox{-}[[N^{\alpha}\mbox{-}(2\mbox{-}pyridinylmethoxycarbonyl)\mbox{-}L\mbox{-}leucinyl] amino]-3-pyrrolidinonone;$ 

(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyrdinylmethoxy)carbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;

 $4-[[N^{\alpha}-(4-pyrdinylmethoxy)carbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;$ 

(3RS,4RS)-4-[[Nα-(4-pyrdinylmethoxy)carbonyl)-L-leucinyl]amino]-1-

[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]aminomethyl]pentyl]-3-pyrrolidinol;

 $4-[[N^{\alpha}-(4-pyrdinylmethoxy)carbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(benzyloxycarbonyl)]aminomethyl]pentyl]-3-pyrrolidinone;$ 

(3RS,4RS)-4-[[Nα-[(2-pyridinylmethoxy)carbonyl]-L-leucinyl]amino]-1-

[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;

 $4-[[N^{\alpha}-[(2-pyridinylmethoxy)carbonyl]-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone:$ 

 $(3RS,4RS)-4-[[N^{\alpha}-[(3-pyridinylmethoxy)carbonyl]-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;$ 

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       4-[[Nα-[(3-pyridinylmethoxy)carbonyl]-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;
       (3RS.4RS)-4-[ΓNα-(benzyloxycarbonyl)-L-leucinyllamino]-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;
       4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone:
       (3RS,4RS)-4-[[Nα-(4-pyridinylmethoxycarbonyl)-L-leucinyl]aminomethyl]-1-[(2S)-
4-methyl-2-[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;
       4-[[Nα-(4-pyridinylmethoxycarbonyl)-L-leucinyl]aminomethyl]-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;
       (3RS,4RS)-1-benzyl-4-[[Nα-(2-nitro-a-toluenesulphonyl)-L-leucinyl]amino]-3-
pyrrolidinol;
       1-benzyl-4-[[[Nα-(2-nitro-α-toluenesulphonyl)-L-leucinyl]aminol-3-pyrrolidinone;
       (3RS,4RS)-1-benzyl-4-[[N^{\alpha}-(phenylsulphonyl)-L-leucinyl]amino]-3-pyrrolidinol;
       1-benzyl-4-[[Nα-(phenylsulphonyl)-L-leucinyl]amino]-3-pyrrolidinone;
       (3RS,4RS)-1-benzyl-4-[[N^{\alpha}-(a-toluenesulphonyl)-L-leucinyl]amino]-3-pyrrolidinol;
       1-benzyl-4-[[Nα-(a-toluenesulphonyl)-L-leucinyllamino]-3-pyrrolidinone:
       (3RS,4RS)-1-benzyl-4-[[Nα-(2-naphthylsulphonyl)-L-leucinyl]amino]-3-
pyrrolidinol;
       1-benzyl-4-[[Nα-(2-naphthylsulphonyl)-L-leucinyl]amino]-3-pyrrolidinone
       (3RS.4RS)-1-benzyl-4-[ΓΝα-(2-naphthylcarbonyl)-L-leucinyllaminol-3-
piperidinol;
       1-benzyl-4-[[Nα-(2-naphthylcarbonyl)-L-leucinyl]amino]-3-piperidinone
       (3RS,4RS)-1-benzyl-4-[N^{\alpha}-(2-quinoliny|carbonyl)-L-leucinyl]amino]-3-piperidinol;
       1-benzyl-4-[[Nα-(2-quinolinylcarbonyl)-L-leucinyl]amino]-3-piperidinone;
       (3RS,4RS)-1-benzyl-4-[[Nα-(2-naphthylsulphonyl]amino]-3-piperidinol;
       1-benzyl-4-[[Nα-(2-naphthylsulphonyl)-L-leucinyllaminol-3-piperidinone;
       (3RS,4RS)-4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]aminomethyl]-1-
[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinol;
       4-[[Nα-(benzyloxycarbonyl)-L-leucinyllaminomethyll-1-[(2S)-4-methyl-2-
[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinone;
       (3RS,4RS)-4-[(2S)-4-methyl-2-[(benzyloxycarbonyl)amino]pentyl]-1-
[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentanoyl]-
3-pyrrolidinol;
       4-[(2S)-4-methyl-2-[(benzyloxycarbonyl)amino]pentyl]-1-
[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentanoyl]-
3-pyrrolidinone:
       (3RS,4RS)-4-[[Nα-(4-fluorobenzoyl)-L-leucinyl]amino]-1-
[2-[(α-toluenesulphonyl)aminolethyl]-3-pyrrolidinol:
       4-[[Nα-(4-fluorobenzoyl)-L-leucinyl]amino]-1-
[2-[(α-toluenesulphonyl)amino]ethyl]-3-pyrrolidinone;
       (3RS,4RS)-4-[[N^{\alpha}-(4-fluorobenzoyl)-L-leucinyl]amino]-1-benzoyl-3-pyrrolidinol;
       4-[[Nα-(4-fluorobenzoyl)-L-leucinyl]amino]-1-benzoyl-3-pyrrolidinone;
       (3RS,4RS)-4-[[Nα-(piperonylcarbonyl)-L-leucinyl]amino]-1-benzoyl-3-pyrrolidinol;
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4-[[Nα-(piperonylcarbonyl)-L-leucinyl]amino]-1-benzoyl-3-pyrrolidinone;

(3RS,4RS)-4-[[N\alpha-(4-fluorobenzoyl)-L-leucinyl]amino]-1-[2-[(4-fluorobenzoyl) amino]ethyl]-3pyrrolidinol;

 $4-[[N^{\alpha}-(4-fluorobenzoyl)-L-leucinyl]amino]-1-[2-[(4-fluorobenzoyl)amino]ethyl]-3-[2-[(4-fluorobenzoyl)amino]ethyllamino]ethyllamino[(4-fluorobenzoyl)amino]ethyllamino[(4-fluorobenzoyl)amino]ethyllamino[(4-fluorobenzoyl)amino]ethyllamino[(4-fluorobenzoyl)amino]ethyllamino[(4-fluorobenzoyl)amino]ethyllamino[(4-fluorobenzoyl)amino]ethyllamino[(4-fluorobenzoyl)amino]ethyllamino[(4-fluorobenzoyl)amino[(4-fluorobenzoyl)amino[(4-fluorobenzoyl)amino[(4-fluorobenzoyl)amino[(4-fluorobenzoyl)amino[(4-fluorobenzoyl)amino[(4-fluorobenzoyl)amino[(4-fluorobenzoyl)amino[(4-fluorobenzoyl)amino[(4-fluorobenzoyl)$ pyrrolidinone:

(3RS,4RS)-4-[[Nα-(tert-butoxycarbonyl)-L-leucinyl]aminol-1-benzovl-3pyrrolidinol;

4-[[Nα-(tert-butoxycarbonyl)-L-leucinyl]amino]-1-benzoyl-3-pyrrolidinone;

(3RS,4RS)-4-[[Nα-(4-fluorobenzoyl)-L-leucinyl]amino]-1-[(2S)-4-

methyl-2-[(4-fluorobenzoyl)amino]pentyl]-3-pyrrolidinol;

4-[[Nα-(4-fluorobenzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(4-

fluorobenzovl)amino|pentvl]-3-pvrrolidinone;

4-[[Nα-(4-carboxybenzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(4fluorobenzoyl)amino|pentyl]-3-pyrrolidinone;

1-benzyl-4-[[Nα-(4-carboxybenzoyl)-L-leucinyl]aminol-3-pyrrolidinone:

(3RS,4RS)-1-benzyl-4- $[N^{\alpha}-(4-carboxymethyl)benzoyl)-L-leucinyl]amino]-3-pyrrolidinol;$ 

1-benzyl-4-[[Nα-(4-carboxymethyl)benzoyl)-L-leucinyl]aminol-3-pyrrolidinone;

(3RS,4RS)-4-[[Nα-[(4-carboxymethyl)benzoyl]-L-leucinyl]amino]-1-

[(2S)-4-methyl-2-[[(4-fluorobenzoyl)amino]pentyl]-3-pyrrolidinol;

4-[[Nα-[(4-carboxymethyl)benzoyl]-L-leucinyl]amino]-1-[(2S)-4-

methyl-2-[[(4-fluorobenzovl)aminolpentyl]-3-pyrrolidinone: (3RS,4RS)-1-phenethyl-4-[[Nα-(2-amino-α-toluenesulphonyl)-L-leucinyl]amino]-3-

pyrrolidinol; 1-phenethyl-4-[[Nα-(2-amino-α-toluenesulphonyl)-L-leucinyl]amino]-3-pyrrolidinone;

(3RS,4RS)-4-[[Nα-(2-naphthylcarbonyl)-L-leucinyl]amino]-1-benzoyl-3-piperidinol;

4-[[Nα-(2-naphthylcarbonyl)-L-leucinyl]amino]-1-benzoyl-3-piperidinone;

(3RS,4RS)-4-[[Nα-(2-quinolinecarbonyl)-L-leucinyl]amino]-1-benzoyl-3-piperidinol;

4-[[Nα-(2-quinolinecarbonyl)-L-leucinyl]amino]-1-benzoyl-3-piperidinone;

(3RS,4RS)-4-[[Nα-(3-isoguinolinecarbonyl)-L-leucinyl]amino]-1-benzoyl-3piperidinol;

4-[[Nα-(3-isoquinolinecarbonyl)-L-leucinyl]amino]-1-benzoyl-3-piperidinone;

(3RS,4RS)-4-[[(2S)-4-methyl-2-(benzyl)oxy]pentanoyl]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinol;

4-[[(2S)-4-methyl-2-(benzyl)oxylpentanoyl]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone;

(3RS,4RS)-4-[[3-(2-pyridyl)phenylacetyl)]amino]-1-[3-(2-pyridyl)phenylacetyl)]-3-piperidinol;

4-[[3-(2-pyridyl)phenylacetyl)]amino]-1-[3-(2-pyridyl)phenylacetyl)]-3-piperidinone;

(3RS,4RS)-4-[[Nα-(p-trifluoromethanephenylsulphonyl)-L-leucinyl]amino]-1-[3-(2-

pyridyl)phenylacetyl)]-3-piperidinol;

4-[[N<sup>a</sup>-(p-trifluoromethanephenylsulphonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl)]-3-piperidinone;

(3RS,4RS)-4-[[N<sup>a</sup>-(2-naphthylsulphonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl)]-3piperidinol:

 $4-[[N^{\alpha}-(2-naphthy|sulphonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl)]-3-piperidinone; (3RS.4RS)-4-[[N^{\alpha}-(3.4-dichlorophenylsulphonyl)-$ 

L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl)]-3-piperidinol;

 $4-[[N^{\alpha}-(3,4-dichlorophenylsulphonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl)]-3-piperidinone;$ 

 $(3RS,4RS)-4-[[N^{\alpha}-(methane sulphonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl)]-3-piperidinol;$ 

4-[[N<sup>α</sup>-(methanesulphonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl)]-3-piperidinone;
(3PS 4PS)-4-[[N<sup>α</sup>-(4-fluorophenylsulphonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl)

 $(3RS,4RS)-4-[[N^{\alpha}-(4-fluorophenylsulphonyl)-L-leucinyl] amino]-1-[3-(2-pyridyl)phenylacetyl)]-i-piperidinol; or$ 

 $4-[[N^{\alpha}-(4-fluorophenylsulphonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl)]-3-piperidinone;$ 

or a pharmaceutically acceptable salt thereof.

## 17 (Previously Presented). A compound which is:

 $\hbox{4-[[N$^\alpha$-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-meth$ 

[[(benzyloxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone;

 $4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[4-(phenoxybenzamide)]-3-pyrrolidinone:$ 

4-[[N<sup>a</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[4-(biphenylethanoyl)]-3-

pyrrolidinone;
4-[[N<sup>a</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinone;

 $4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(tert-butoxyoxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinonone:$ 

4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

(aminomethyl)pentanoyl]-3-pyrrolidinone;

 $4-[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-tert-butoxycarbonyl-3-pyrrolidinone;$ 

4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-3-pyrrolidinone;

 $4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(N-tert-butoxycarbonyl)ethanoyl]aminomethyl]pentanoyl]-3-pyrrolidinone;$ 

4-[[Nα-(benzyloxycarbonyl)-L-leucinyllaminol-1-[(2S)-4-methyl-2-

[(ethanoyl)aminomethyl]pentanoyl]-3-pyrrolidinone;

4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(tert-

butoxycarbonyl) amino pentanoyl - 3-pyrrolidinone;

4-[[Nα-(benzyloxycarbony)-L-leucinyl]amino]-1-[(2R)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone;

4-[[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-[(benzyloxycarbonyl) amino]ethanoyl]-3-pyrrolidinonone;

 $\label{eq:continuous} \mbox{4-[[N$^{\alpha}$-(benzyloxycarbony)-L-leucinyl]amino]-1-[(2S)-2-}$ 

[[(benzyloxycarbonyl)]amino]propanoyl]-3-pyrrolidinone;

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- 4-[[N $^{\alpha}$ -(benzyloxycarbonyl)-L-leucinyl]amino]-1-[cyclohexanepropanoyl]-3-pyrrolidinone;
- $4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(4-pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone:$
- 4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(2-pyridinylmethoxycarbonyl)lamino]pentanovl]-3-pyrrolidinone:
- $4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(3-pyridinylmethoxycarbonyl)]amino]pentanovl]-3-pyrrolidinone:$
- $4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(2-pyridylcarbonyl)-3-pyrrolidinone;$ 
  - 4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
- [[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone;
- $\label{eq:continuous} 4\text{-}[[N^\alpha\text{-}(benzyloxycarbonyl)\text{-}L\text{-}leucinyl]\\ amino]\text{-}1\text{-}[4\text{-}(biphenyl)\text{ethanoyl}]\text{-}3\text{-}piperidinone;}$
- $\label{eq:continuous} 4\hbox{-}[[N^\alpha\hbox{-}(benzyloxycarbonyl)\hbox{-}L\hbox{-}leucinyl]\\ amino]\hbox{-}1\hbox{-}[(2S)\hbox{-}4\hbox{-}methyl\hbox{-}2\hbox{-}$
- [[(benzyloxy carbonyl)] a minomethyl] pentanoyl] 3-piperidinone;
- 4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-tert-butoxycarbonyl-3-piperidinone;
- $4-[[N^{\alpha}-(benzyloxycarbonyl)]-L-leucinyl]$ amino]-1-[2-[[(benzyloxycarbonyl)]iso-butylamino]ethanoyl]-3-piperidinone;
- butoxycarbonyl)amino]ethanoyl]-3-piperidinone; 4-[ΓΝ<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-(amino)ethanoyl]-3-
- piperidinone;
- $\label{eq:continuity} 4-[[N^\alpha\text{-(benzyloxycarbonyl)-L-leucinyl]amino}]-1-(4-methylpentanoyl)-3-piperidinone;$ 
  - $4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(benzoyl)-3-piperidinone;$
  - $\hbox{$4$-[[N^\alpha$-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(acetyl)-3-piperidinone;}$
  - 4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(2-pyridoxyacetyl)-3-piperidinone; 4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-
- [(benzyloxycarbonyl)methylaminolethanoyl]-3-piperidinone:
- $4-[[N^{\alpha}-(benzyloxycarbony)-L-leucinyl]$ amino]-1-[3-(2-pyridyl)] phenylacetyl)]-3-piperidinone:
- $4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-[(benzyloxycarbonyl) methylamino]ethanoyl]-3-pyrrolidinone;$
- 4-[[N<sup>a</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-(phenoxy)ethanoyl]-3-pvrrolidinone:
- $\label{eq:condition} 4-[[[N^\alpha-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-[(2-phenyl)\ ethanoyl]-3-pyrrolidinone;$ 
  - $4-[[N^{\alpha}-(4-pyridinylmethoxycarbony)-L-leucinyl]amino]-1-ethanoyl-3-pyrrolidinone;$
- $\label{eq:continuity} 4-[[N^\alpha-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-(4-cyanobenzoyl)-3-pyrrolidinone:$
- $\label{eq:condition} 4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl]-L-leucinyl]amino]-1-tert-butoxycarbonyl-3-pyrrolidinone;$

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- 4-[[N $^{\alpha}$ -(3-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-tert-butoxycarbonyl-3-pyrrolidinone;
  - $4-[[N^{\alpha}-(3-pyridinylmethoxycarbonyl)-L-leucinyl]$ amino]-3-pyrrolidinone;
  - 4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-3-pyrrolidinone;
    - 4-[[Naidinylmethoxycarbonyl]-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
- [[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinone;
- 4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(4pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone;
- 4-[[Nα-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
- [[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinone;
  - 4-[[Nα-(3-isoquinolinecarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
- [[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;
- $4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl]-L-leucinyl]amino]-1-[1-(adamantyl) carbonyl]-3-pyrrolidinone;$
- $\label{eq:continuous} 4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(4-methyl-pentanoyl)-3-pyrrolidinone;$ 
  - 4-[[Nα-(benzyloxycarbonyl)-D-leucinyllamino]-1-[(2S)-4-methyl-2-
- [[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone;
  - 4-[[Nα-(tert-butoxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
- [[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone
- 4-[[Nα-(benzyloxycarbonyl)-Nε-(tert-butoxycarbonyl)-L-lysine]amino]-1-
- [(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone;
- $4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-tert-butoxycarbonyl-3-piperidinone;$
- $4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-(4-methylpentanoyl)-3-piperidinone;$ 
  - 4-[[Nα-(4-pyridinylmethoxycarbonyl]-L-leucinyllamino]-1-[2-
- (benzyloxycarbonyl)]iso-butylamino]ethanoyl]-3-piperidinone;
  - 4-[[N-2-(benzyloxycarbonyl)]iso-butylamino]ethanoyl]-1-[(2S)-4-methyl-2-
- $\hbox{\tt [[(benzyloxycarbonyl)]amino]} pentanoyl]-3-piperidinone;$
- $\label{eq:continuity} \mbox{4-}[[N^{\alpha}\mbox{-}(benzyloxycarbonyl)\mbox{-}L\mbox{-}leucinyl]amino]\mbox{-}l\mbox{-}(methanesulphonyl)\mbox{-}3-piperidinone;$ 
  - $\hbox{$4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(phenylsulphonyl)-3-piperidinone;}$
- $4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl]$ amino]-1-(8-quinolinesulphonyl)-3-pyrrolidinone;
- $4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-(2-pyridylsulphonyl)-3-pyrrolidinone:$
- $4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-[(2-propoxy) carbonyl]-3-pyrrolidinone;$
- propoxy)carbonyl]-3-pyrrolidinone;
- $\label{eq:control} 4-[[N^\alpha\text{-}(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(4-phenoxy)\ phenylsulphonyl]-3-pyrrolidinone;$

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4-[[N<sup> $\alpha$ </sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(4-phenoxy) phenylsulphonyl]-3-piperidinone;

4-[[Nα-(3,4-dichlorobenzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

4-[[Nα-(6-quinolinecarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

4-[(2-dibenzofuransulphonyl)amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone;

4-[(2-dibenzofuransulphonyl)amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]methylamino]pentanoyl]-3-pyrrolidinone;

4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinone;

 $\hbox{$4-[[N^\alpha-(2-pyridylcarbonyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinone;}$ 

 $\label{eq:continuous} \mbox{4-}[\mbox{$\mathbb{N}^{\alpha}$-(3-chlorobenzoyl)-$L-leucinyl]} \mbox{amino}]-1-(4-methylpentyl)-3-piperidinone;$ 

 $\hbox{$4-[[N^\alpha-(2-quinoline carbonyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinone;}$ 

 $\label{eq:continuous} \mbox{4-[[N$^{\alpha}$-(3,4-dichlorobenzoyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinone;}$ 

 $4-[[N^{\alpha}-(8-\text{quinolinecarbonyl})-L-\text{leucinyl}]$ amino]-1-(4-methylpentyl)-3-piperidinone  $4-[[N^{\alpha}-(3-\text{isoquinolinecarbonyl})-L-\text{leucinyl}]$ amino]-1-(4-methylpentyl)-3-

piperidinone;

 $\label{eq:continuity} 4-[[N^\alpha-(2-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinone;$ 

4-[[Nα-(acetyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinone;

 $4-[[N^{\alpha}-(p-trifluoromethylbenzenesulphonyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinone;$ 

 $\label{eq:condition} 4-[[N^{\alpha}-(6-quinoline carbonyl)-L-leucinyl] a mino]-1-(4-methylpentyl)-3-piperidinone;$ 

4-[[2-(RS)-[(3-biphenyl)-4-methyl]amino]pentanoyl]-1-(4-methylpentyl)-3-piperidinone;

 $4-[[N^{\alpha}-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-[(benzyloxycarbonyl) methylamino]ethyl]-3-piperidinone;$ 

 $4-[[N^{\alpha}-(a-toluene sulphonyl)-L-leucinyl]$ amino]-1-[3-(2-pyridyl) phenylacetyl)]-3-piperidinone:

 $\label{eq:continuous} 4-[[N^\alpha-(2-naphthylcarbonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)\ phenylacetyl)]-3-piperidinone:$ 

 $\label{eq:constraint} 4-[[N^{\alpha}-(benzensulphonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl)]-3-piperidinone;$ 

 $4-[[N^{\alpha}-(3-isoquinolinecarbonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl)]-3-piperidinone:$ 

4-[3-[(2-pyridyl)phenylacetyl)]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone;

4-[3-[(2-pyridyl)phenylacetyl)]amino]-1-[(2S)-4-methyl-2-[[2-(pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-piperidinone;

4-[[Nα-(2-phenylacetyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

 $4\hbox{-}[[N^\alpha\hbox{-}(tert-but oxy oxy carbonyl)-L-leucinyl]amino]-1\hbox{-}[(2S)-4-methyl-2-$ 

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

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4-[(L-leucinyl)amino]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)] amino]pentyl]-3pyrrolidinone;

4-[[Nα-(2-quinolinecarbonyl)-L-leucinyllamino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

4-[[Nα-(piperonylcarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

4-[[Nα-(4-fluorobenzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

4-[[Nα-(2-pyridylcarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone; 4-[[Nα-(2-nitro-a-toluenesulphonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone:

4-[[Nα-(8-quinolinesulphonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

4-[[Nα-(2-naphthylcarbonyl)-L-leucinyl]aminomethyl]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

4-[[Nα-(2-quinolinylcarbonyl)-L-leucinyllaminomethyl]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

4-[[Nα-(phenylacetyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;

4-[[Nα-(4-pyridinylmethoxycarbonyl)-L-leucinyllamino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;

4-[[Nα-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-[(2R)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;

4-[[Nα-(phenylacetyl)-L-leucinyl]amino]-1-[(2R)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone; 4-[[Nα-(4-imidazoleacety])-L-leuciny]]amino]-1-[(2R)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;

4-[[Nα-(4-imidazoleacetyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;

4-[[Nα-(4-pyridinylcarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;

4-[[Nα-(tert-butoxycarbonyl)-L-leucinyl]amino]-1-(benzyloxycarbonyl)-3piperidinone;

4-[[Nα-(8-quinolinesulphonyl)-L-leucinyl]aminol-1-(benzyloxycarbonyl)-3piperidinone:

4-[[Nα-(4-pyridinylacetyl)-L-leucinyl]amino]-1-(benzyloxycarbonyl)-3-piperidinone;

4-[[Nα-(4-imidazoleacetyl)-L-leucinyl]amino]-1-(benzyloxycarbonyl)-3-piperidinone;

4-[[Nα-(4-pyridinylcarbonyl)-L-leucinyl]amino]-1-(benzyloxycarbonyl)-3piperidinone:

1-benzyl-4-[[Nα-(3-isoquinolinylcarbonyl)-L-leucinyllamino]-3-pyrrolidinone:

1-benzyl-4-[[Nα-(3,4-dichlorobenzoyl)-L-leucinyl]amino]-3-pyrrolidinone;

1-benzyl-4-[[Nα-(2-naphthylcarbonyl)-L-leucinyl]aminomethyl]-3-pyrrolidinone; 1-benzyl-4-[[Nα-(2-quinolinylcarbonyl)-L-leucinyl]aminomethyl]-3-pyrrolidinone;

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1-benzyl-4-[[Nα-(2-quinolinylcarbonyl)-L-leucinyl]amino]-3-pyrrolidinone;

1-benzyl-4-[[N<sup>α</sup>-(piperonylcarbonyl)-L-leucinyl]amino]-3-pyrrolidinone;

1-benzyl-4-[[Nα-(4-fluorobenzoyl)-L-leucinyl]amino]-3-pyrrolidinone;

1-benzyl-4-[[Nα-(6-hydroxy-2-naphthylcarbonyl)-L-leucinyl]amino]-3-

### pyrrolidinone; 1-benzyl-4-[ΓNα-(2-naphthylcarbonyl)-L-leucinyllaminol-3-pyrrolidinone:

1-benzyl-4-[[Nα-(6-quinolinylcarbonyl)-L-leucinyl]amino]-3-pyrrolidinone;

1-benzyl-4-[[Nα-(4-imidazoleacetyl)-L-leucinyl]amino]-3-pyrrolidinone;

1-benzyl-4-[[Nα-(4-pyridinylcarbonyl)-L-leucinyl]amino]-3-pyrrolidinone;

4-[[Nα-(tert-butoxycarbonyl)-L-leucinyl]amino]-1-benzyloxycarbonyl-3pyrrolidinone;

4-[ΓNα-(4-pyridinylmethoxy)carbonyl]-L-leucinyllaminol-1-[(2R)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone:

4-[[Nα-(4-pyridinylmethoxy)carbonyl]-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(tertbutoxycarbonyl) amino pentyl - 3-pyrrolidinone;

4-[[Nα-(4-pyridinylmethoxy)carbonyl]-L-leucinyl]amino]-1-

[(2S)-4-methyl-2-(amino)pentyll-3-pyrrolidinone:

4-[[Nα-(2-methylpropoxy)carbonyl]-L-leucinyllamino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

4-[[Nα-(methylamino)thiocarbonyl]-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone:

4-[[Nα-(phenylmethylamino)carbonyl]-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

4-[[Nα-(3,4-dichlorophenylamino)carbonyl]-L-leucinyl]amino]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

1-benzyl-4-[[Nα-(3.4-dichlorophenylamino)-L-leucinyllamino]-3-pyrrolidinone: 4-[[Nα-(1,2,3,4-tetrahydro-6-quinolinecarbonyl]-L-leucinyl]aminol-1-[(2S)-4-methyl-

2-[(p-toluenesulphonyl)amino]pentyl]-3-pyrrolidinone;

4-[[[Nα-(1,2,3,4-tetrahydro-6-quinolinecarbonyl)-L-leucinyl]amino]-1-

[(2S)-4-methyl-2-[(acetyl)aminolpentyl]-3-pyrrolidinone;

4-[[[Nα-(4-fluorobenzov1)-L-leucinv1]amino]-1-[(2S)-4-methv1-2-

[(acetyl)amino|pentyl]-3-pyrrolidinone;

4-[[Nα-(4-fluorobenzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(p-

toluenesulphonyl)amino|pentyl]-3-pyrrolidinone; 4-[[Nα-(4-fluorobenzov1)-L-leucinvllamino]-1-[(2S)-4-methyl-2-

[(methanesulphonyl)amino]pentyl]-3-pyrrolidinone;

4-[[Nα-(4-fluorobenzov1)-L-leucinvl]amino]-1-[(2S)-4-methyl-2-[(atoluenesulphonyl)amino|pentyl]-3-pyrrolidinone;

1-(2-phenethyl)-4-[[Nα-(4-fluorobenzoyl)-L-leucinyl]amino]-3-pyrrolidinone;

1-(2-phenethyl)-4-[[Nα-(2-quinolinylcarbonyl)-L-leucinyl]amino]-3-pyrrolidinone; 1-(2-phenethyl)-4-[[Nα-(2-naphthylcarbonyl)-L-leucinyl]amino]-3-pyrrolidinone;

1-(2-phenethyl)-4-[[Nα-(α-toluenesulphonyl)-L-leucinyl]amino]-3-pyrrolidinone;

1-(2-phenethyl)-4-[[Nα-(2-nitro-α-toluenesulphonyl)-L-leucinyl]amino]-3pyrrolidinone:

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- $4-[[N^{\alpha}-(2-phenylacetyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(4-pyridinylcarbonyl)]amino]pentyl]-3-pyrrolidinone;$
- $4-[[N^{\alpha}-(2-phenylacetyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(p-toluenesulphonyl)]amino]pentyl]-3-pyrrolidinone:$
- 4-[[N<sup>α</sup>-(2-phenylacetyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(4-imidazoleacetyl)]amino]pentyl]-3-pyrrolidinone:
- $1-(3-\text{nitrobenzyl})-4-[[N^{\alpha}-(4-\text{pyridinylmethoxycarbonyl})-L-\text{leucinyl}]$ amino]-3-pyrrolidinone:
- $1\hbox{-}(2\hbox{-nitrobenzyl})\hbox{-}4\hbox{-}[N^\alpha\hbox{-}(4\hbox{-pyridinylmethoxycarbonyl})\hbox{-}L\hbox{-leucinyl}] amino]\hbox{-}3\hbox{-pyrrolidinone};$
- $1\hbox{-}(4\hbox{-cyanobenzyl})\hbox{-}4\hbox{-}[[N^\alpha\hbox{-}(4\hbox{-pyridinylmethoxycarbonyl})\hbox{-}L\hbox{-leucinyl}] a mino]\hbox{-}3\hbox{-pyrrolidinone};$
- 1-(4-bromobenzyl)-4-[[N<sup>a</sup>-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-3-pyrrolidinone;
- l-phenethyl-4-[[ $N^{\alpha}$ -(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-3-pyrrolidinone;
- $1-(3-aminobenzyl)-4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-3-pyrrolidinone:$
- $1-(3-benzyloxybenzyl)-4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl] amino]-3-pyrrolidinone;$
- 1-(3-hydroxybenzyl)-4-[[ $N^{\alpha}$ -(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-3-pyrrolidinone;
  - $1-ethyl-4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyl] amino]-3-pyrrolidinone;$
- 1-cyclopropylmethyl-4-[[ $N^{\alpha}$ -(4-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-3-pyrrolidinone;
- $1-(2-N,N-dimethylaminoethyl)-4-[[N^{\alpha}-(4-pyridinylmethoxycarbonyl)-L-leucinyllamino]-3-pyrrolidinone:$
- $1\hbox{-}(2\hbox{-morpholinoethyl})\hbox{-}4\hbox{-}[N^\alpha\hbox{-}(4\hbox{-pyridinylmethoxycarbonyl})\hbox{-}L\hbox{-leucinyl}]amino]\hbox{-}3-pyrrolidinone;}$
- $1-(2-bromobenzyl)-4-[[N^{\alpha}-(2-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-3-pyrrolidinonone:$
- $4-[[N^{\alpha}-(4-pyrdinylmethoxy)carbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[((benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;$
- $4-[[N^{\alpha}-(4-pyrdinylmethoxy)carbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]aminomethyl]pentyl]-3-pyrrolidinone:$
- [[(benzyloxycarbonyl)]aminometnyl]pentyl]-3-pyrroliqinone;  $4-[[N^{\alpha}-[(2-pyridinylmethoxy)carbonyl]-L-leucinyl]amino]-1-[(2S)-4-methyl-2-$
- [[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone; 4-[[Nα-[(3-pyridinylmethoxy)carbonyl]-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
- 4-[[N\*-[(3-pyridinylmethoxy)carbonyl]-L-leucinyl]amino]-1-[(2S)-4-methyl-2 [[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;
  - 4-[[Nα-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-
- [[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;
- $4-[[N^{\alpha}-(4-\text{pyridiny|methoxycarbonyl})-L-\text{leucinyl}]$ aminomethyl]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)|amino|pentyl]-3-pyrrolidinone;
  - 1-benzyl-4- $[[N^{\alpha}-(2-nitro-\alpha-toluenesulphonyl)-L-leucinyl]$ amino]-3-pyrrolidinone;

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Group Art Unit: 1624
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1-benzyl-4-[[Nα-(phenylsulphonyl)-L-leucinyl]amino]-3-pyrrolidinone;
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1-benzyl-4-[[Nα-(a-toluenesulphonyl)-L-leucinyl]aminol-3-pyrrolidinone:

1-benzyl-4- $[[N^{\alpha}-(2-naphthylsulphonyl)-L-leucinyl]amino]-3-pyrrolidinone$  $1-benzyl-4-<math>[[N^{\alpha}-(2-naphthylcarbonyl)-L-leucinyl]amino]-3-piperidinone$ 

1-benzyl-4-[[N<sup>α</sup>-(2-quinolinylcarbonyl)-L-leucinyl]amino]-3-piperidinone;

1-benzyl-4-[[Nα-(2-naphthylsulphonyl)-L-leucinyl]aminol-3-piperidinone:

4-[ΓN<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]aminomethyl]-1-[(2S)-4-methyl-2-

[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinone;

4-[(2S)-4-methyl-2-[(benzyloxycarbonyl)amino]pentyl]-1-[(2S)-4-methyl-2-[[(benzyloxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone;

 $4-[[N^{\alpha}-(4-fluorobenzoyl)-L-leucinyl]amino]-1-[2-[(\alpha-toluenesulphonyl)amino]ethyl]-3-pyrrolidinone:$ 

 $\hbox{$4-[[N^{\mbox{$\alpha$}}-(4-fluorobenzoyl)-L-leucinyl]amino]-1-benzoyl-3-pyrrolidinone;}$ 

 $\hbox{$4$-[[N^{\alpha}$-(piperonylcarbonyl)-L-leucinyl]amino]-1-benzoyl-3-pyrrolidinone;}$ 

 $\label{eq:continuity} 4-[[N^{\alpha}-(4-fluorobenzoyl)-L-leucinyl] amino]-1-[2-[(4-fluorobenzoyl)amino]ethyl]-3-pyrrolidinone;$ 

4-[[Nα-(tert-butoxycarbonyl)-L-leucinyl]amino]-1-benzoyl-3-pyrrolidinone;

 $4\hbox{-}[[N^\alpha\hbox{-}(4\hbox{-fluorobenzoyl})\hbox{-}L\hbox{-leucinyl}] amino]\hbox{-}1\hbox{-}[(2S)\hbox{-}4\hbox{-methyl-}2\hbox{-}[(4-C)]$ 

fluorobenzoyl)amino|pentyl]-3-pyrrolidinone;

4-[[N<sup>α</sup>-(4-carboxybenzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(4-fluorobenzoyl)amino]pentyl]-3-pyrrolidinone:

1-benzyl-4-[[Nα-(4-carboxybenzoyl)-L-leucinyl]amino]-3-pyrrolidinone;

1-benzyl-4-[[N<sup>α</sup>-(4-carboxymethyl)benzoyl)-L-leucinyl]amino]-3-pyrrolidinone;

 $4-[[N^{\alpha}-[(4-carboxymethyl)benzoyl]-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[(4-fluorobenzoyl)amino]pentyl]-3-pyrrolidinone;$ 

l-phenethyl-4-[[ $N^{\alpha}$ -(2-amino- $\alpha$ -toluenesulphonyl)-L-leucinyl]amino]-3-pyrrolidinone;

 $\hbox{$4-[[N^{\alpha}-(2-naphthylcarbonyl)-L-leucinyl]amino]-1-benzoyl-3-piperidinone;}$ 

 $\hbox{$4$-[[N$^{\alpha}$-(2-quinoline carbonyl)-L-leucinyl]amino]-1-benzoyl-3-piperidinone;}$ 

 $\hbox{$4$-[[N^{\alpha}$-(3$-isoquinolinecarbonyl)-L-leucinyl]amino]-1$-benzoyl-3-piperidinone;}$ 

 $\hbox{$4-[[(2S)-4-methyl-2-(benzyl)oxy]pentanoyl]-1-[(2S)-4-methyl-2-density of the property of$ 

[[(benzyloxycarbonyl)]amino]pentanoyl]- 3-piperidinone;

4-[[3-(2-pyridyl)phenylacetyl)]-3-piperidinone;

 $\label{eq:continuous} 4-[[N^{\alpha}-(p-trifluoromethanephenylsulphonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl)]-3-piperidinone;$ 

 $4-[[N^{\alpha}-(2-naphthylsulphonyl)-L-leucinyl] a mino]-1-[3-(2-pyridyl)phenylacetyl)]-3-piperidinone;$ 

 $\label{eq:continuous} 4-[[N^{\alpha}-(3,4-dichlorophenylsulphonyl)-L-leucinyl] amino]-1-[3-(2-pyridyl)phenylacetyl)]-3-piperidinone;$ 

 $4-[[N^{\alpha}-(methane sulphonyl)-L-leucinyl] a mino]-1-[3-(2-pyridyl)phenylacetyl)]-3-piperidinone; or a sulphonyl and a sulphonyl a sulpho$ 

 $4-[[N^{\alpha}-(4-fluorophenylsulphonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl)]-3-piperidinone;$ 

or a pharmaceutically acceptable salt thereof.

18 (Previously presented). A pharmaceutical composition comprising a compound according to claim 1 and a pharmaceutically acceptable carrier.

- 19 (Withdrawn). A method of inhibiting a cysteine protease which comprises administering a compound according to claim 1.
- 20 (Withdrawn). A method according to claim 19 wherein the cysteine protease is cathepsin K,
- 21 (Withdrawn). A method of inhibiting bone loss which comprises administering a compound according to claim 1.
- 22 (Withdrawn). A method of treating osteoporosis which comprises administering a compound according to claim 1.
- 23 (Withdrawn). A method of treating gingival or periodontal disease which comprises administering a compound according to claim 1.
- 24 (Withdrawn). A method of treating a disease characterized by excessive cartilage or matrix degradation which comprises administering a compound according to claim 1.
- 25 (Withdrawn). A method according to claim 24 wherein said disease is osteoarthritis or rheumatoid arthritis.

#### Claims 26-33 (Cancelled).

- 34 (Withdrawn). A process for preparing a compound of the formula (I) as defined in claim 1, which process comprises:
  - (A) for compounds in which A is CH(OH):
    - (i) reacting a compound of the formula (III):

or a salt thereof.

wherein R<sup>1</sup>, R", R" and n are as defined in formula (I) of claim I, with any reactive functional groups protected, with:

(a) R<sup>5</sup>C(O)Cl, in which R<sup>5</sup>is as defined in formula (I) of claim 1;

or

(b)  $R^5C(O)OH$ , in which  $R^5$  is as defined in formula (1) of claim 1, in the presence of EDC and HOBT; or

(c)  $R^5C(O)H$ , in which  $R^5$  is as defined in formula (I) of claim 1,

followed by reduction; or

R<sup>5</sup>OC(O)Cl, in which R<sup>5</sup>is as defined in formula (I) of claim 1,

in the presence of base; or

(d)

e)  $R^5SO_2Cl$ , in which  $R^5$  is as defined in formula (I) of claim 1, in

the presence of base; or

$$\mathbb{R}^7 \nearrow \mathbb{N}^6 \longrightarrow \mathbb{C}$$

(f) R<sup>3</sup> wherein R<sup>3</sup>, R<sup>6</sup> and R<sup>7</sup> are as defined in

formula (I) of claim 1; or

(g) adamantyl-C(O)Cl;

(ii) reacting a compound of the formula (IV):

wherein R<sup>2</sup>, R" and n are as defined in formula (I) of claim I, with any reactive functional groups protected, with:

$$\mathbb{R}^4$$
  $\mathbb{N}$   $\mathbb{N}$   $\mathbb{N}$   $\mathbb{N}$   $\mathbb{N}$   $\mathbb{N}$ 

(a)  $\dot{R}^3$  , in which  $R^3$ ,  $R^4$  and R' are as defined in

(IV)

formula (I) of claim 1, in the presence of EDC and HOBT; or

(b) Ö, in which R\* is as defined in formula (I) of

claim 1, in the presence of EDC and HOBT; or

 $\bigvee_{A} \bigvee_{A} \bigvee_{A} OH$ 

O in which Y is as defined in

formula (I) of claim 1, in the presence of EDC and HOBT; or

(c)

$$(d)$$
  $SO_2-CI$ 

(iii) reacting a compound of the formula (V):

wherein R<sup>m</sup> and n are as defined in formula (I) of claim 1, with any reactive functional groups protected, and R<sup>a</sup> is  $C_{1-6}$ alkyl,  $C_{3-6}$ cycloalkyl- $C_{0-6}$ alkyl, Ar- $C_{0-6}$ alkyl, or Het- $C_{0-6}$ alkyl with:

(a)  $R^3$  , in which  $R^3$ ,  $R^4$  and R' are as defined in

formula (I) of claim 1, in the presence of EDC and HOBT; or

(b) On the control of the control of

claim 1, in the presence of EDC and HOBT; or

(c) O, in which Y is as defined in

formula (I) of claim 1, in the presence of EDC and HOBT; or

$$(d) \qquad \qquad \bigcirc O \qquad \bigcirc SO_2 - CI$$

- (B) for compounds in which A is C(O):
  - (i) reacting a compound of the formula (VI):

wherein  $R^1$ ,  $R^2$ ,  $R^n$ ,  $R^m$  and n are as defined in formula (I) of claim 1, with any reactive functional groups protected, with an oxidizing agent;

and thereafter removing any protecting groups and optionally forming a pharmaceutically acceptable salt.